

**LIFT SYSTEM FOR AN AERIAL CRANE AND PROPULSION
SYSTEM FOR A VEHICLE**

ABSTRACT OF THE DISCLOSURE

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The present invention provides an improved lift system for an aerial crane incorporating a wing, coanda and curved surface. The arrangement of the wing, coanda and curved surface use and induce airflow to create additional lift through an increase in airflow mass, density and velocity. A different configuration of the wing, coanda and 10 curved surface can be used to propel a vehicle.